# BRUHAT BANGLORE MAHANAGARA PALIKE

## DASARAHALLI-ZONE

## T.DASARAHALLI-SUB-DIVISION.

Name Of Work: Modified Estimate for General/ Public Toilet & Septage Maintenance in Ward No 14 Bagalagunte, T.Dasarahalli Sub Division

EST.COST: 2.50 Lakhs

# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of work: General/Public toilet & Septage maintance in ward no 14 Bagalagunte, Dasarahalli Sub Division**

Revised Estimation

| Sl. No | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Earthwork excavation for foundation to buildings, water supply, sanitary lines and eletrical conduits either in pits or in trenches 1.5m and above in width, In hard soil not exceeding 1.5 m. in depth including drssing the bottom and sides of pits and trenches, stacking the, excavatedstuff from edges of excavation with upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications. | | | | | | | | |
| | | cum | | | | Total Qty | 0.00 | 300.00 | - |
| | | | | | | Schedule-B Qty | 9.36 | | |
| 2 | Providing and laying in position to required level or slope 230mm internal: diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, I including cost of materials, labour char es com lete as ers ecifications. | | | | | | | | |
| | | cum | | | | Total Qty | 0.00 | 500.00 | - |
| | | | | | | Schedule-B Qty | 26.00 | | |
| 3 | Providing and laying in position plain cement concrete M7.5 40mm and down size graded granite metal, machine mixed concrete iaid in layers not exceeding 15 cms thick, well compacted, for 230mm internal diameter stoneware pipes including cost of materials, labour charges, HOM of machinery, curing complete as per secifications | | | | | | | | |
| | | cum | | | | Total Qty | 0.00 | 500.00 | - |
| | | | | | | Schedule-B Qty | 26.00 | | |
| 4 | Constructing brick( masonry circular type manhole 0.91 m internal dia at bottoml .67m deep and 0.56m dia at top, with table moulded non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finish with a floating coat of neat cement, foundation concrete 1:3:6 mix using 40mm and downsize granite metal' and making necessary channel in cement concrete 1:2:4 mix with 20mm and downsize granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame ( heavy duty, HD-20 grade designation) 560mm internal diameter confirming IS : 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4 20mm and downsize broken granite metal, providing and removing entering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plasfer on the external surface shall be paid seperately Specification | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 14000.00 | - |
| | | | | | | Schedule-B Qty | 1.00 | | |
| 5 | Filling available excavated earth ( excluding rock ) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 137.00 | - |
| | | | | | | Schedule-B Qty | 3.43 | | |
| 6 | SOLID PANEL PRELAM PVC DOOR SHUTTER Providing and fixing 30 mm thick factory made rgid foam with both side Pre- laminated Panelled Door Shutters made from M.S. tube of i9x19 mm, 19 gauge for styles and 15x15mm for top and bottom rails, covered with heat moulded Pre-laminated PVC Channel of 5mm thick sheet and 30x50mm wide to form styles and 5mm thick and 75mm wide Prelaminated PVC Sheets for top rail. lock rail and bottom.-raüo•n ,either side and 5mm thick, 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the styles and rails with PVC Designer beading on either side and joined together with solvent cement adhesive etc.i Complete as per manufacturers specification and direction of Engineer-in-charge fixed to frames with 3 nos. of 75 mm. Aluminium hinges | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 4100.00 | - |
| | | | | | | Schedule-B Qty | 9.45 | | |

| | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Providing skirting, dado, rises of steps with Color glazed tiles 30 x 60 cms, 6mm thick on 6mm thick ementplaster 1:3 and jointed with white cement slurry over rough plaster surface excluding cost of rough plastered surface which should be measured and paid seperately) using glazed tiles of approved make and size including cost of materials, labour, com lete as ers ecifications | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 1500.00 | - |
| | | | | | | Schedule-B Qty | 41.85 | | |
| 8 | Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete as per specifications | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 70.00 | - |
| | | | | | | Schedule-B Qty | 60.00 | | |
| 9 | Providing and finishing External walls in two coats over one coat of 100% acrylic silicon glaze primer with antifungal .paint for coat of approved brand and shade to give an even shade after thouroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 160.00 | - |
| | | | | | | Schedule-B Qty | 60.00 | | |
| 10 | Providing and fixing Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost pf rpaterials and fixtures and conveyance of materials to work s ot size 12.5cms x7.5cm | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 300.00 | - |
| | | | | | | Schedule-B Qty | 4.00 | | |
| 11 | Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 150.00 | - |
| | | | | | | Schedule-B Qty | 5.00 | | |
| 12 | Providing and fixing in position brass gate valve with C.I wheel of approved quality ( screwed end ) 25mm 12 nominal boreincluding cost of all materials, labour and HOM of equipments with allleads complete as per specifications. | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 600.00 | - |
| | | | | | | Schedule-B Qty | 2.00 | | |
| 13 | Providing and fixing white vitreous china surgeon clay, type wash basin size 660 x 460 with a pair of 15 mm C.P. brass pillar taps with pair of elbow operated levers, C.I./M.S. brackets, 32 mm C.P. brass waste oi standard pattern, painting of fittings and brackets, cutting and making good the wall and floor | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 4900.00 | - |
| | | | | | | Schedule-B Qty | 3.00 | | |
| 14 | Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments withall leads, com lete as per specifications | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 20000.00 | - |
| | | | | | | Schedule-B Qty | 3.00 | | |
| 15 | Providing and fixing white vitreous china clay, water closet Orissa Pattern of size 580 x 440 mm with integral type footrest, 100mm S or P trap, 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I./M.S. brackets, 32 mm diameter-flush pipe fittings and clamps, overflow arrangements with special and 25 mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per spcification. | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 4000.00 | - |
| | | | | | | Schedule-B Qty | 3.00 | | |
| 16 | Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 6 .litres PVC, automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour com lete as er specifications. | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 3000.00 | - |
| | | | | | | Schedule-B Qty | 3.00 | | |
| 17 | Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm, thick hard board backing incluidng cost of materials, labour complete as per specifications | | | | | | | | |
| | | | | | | Total Qty | 0.00 | 1200.00 | - |
| | | | | | | Schedule-B Qty | 2.00 | | |

| Sl. No. | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB MIOO-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading | | | | | | | | |
| | | | 11 | 2.70 | 1.50 | 0.30 | 13.37 | | |
| | | | | | | Total Qty | 13.37 | 70.00 | 935.90 |
| | | | | | | Schedule-B Qty | 380.00 | | |
| | **EIRL Items** | | | | | | | | |
| E1 | KSRB 2-1.2: Earthwork in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cabels) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and nearly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. No. KBS 2.1 (A) /2.3.1 (P.5/I.2.2 PW, P & IWTD SR 2016-17) | | | | | | | | |
| | | cum | 11 | 2.70 | 1.50 | 0.30 | 13.37 | | |
| | Basic Rate | 233.20 | | | | | | | |
| | Add Tender Premium 4.99 % | 11.64 | | | | | | | |
| | Final Rate | **244.84** | | | | | | | |
| | | | | | | Total | 13.37 | 244.84 | 3,273.47 |
| E2 | KSRB 4.1-2 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal course aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in laye not exceeding 15cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specifiacation No. KBS 4.1, 4.2 (P.12/I.4.2) PWD-SR 2016-17) | | | | | | | | |
| | | cum | 11 | 2.70 | 1.50 | 0.15 | 6.68 | | |
| | Basic Rate | 5348.76 | | | | | | | |
| | Add Tender Premium 4.99 % | 266.90 | | | | | | | |
| | Final Rate | **5615.66** | | | | | | | |
| | | | | | | Total | 6.68 | 5615.66 | 37,512.63 |
| E3 | KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregates @ 0.43 cum, with super5plaster @ 3lts confirming to IS9103-1999 Reaffirmed -52008, machine mixed, concrete laid in laye not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of materials, labours, HOM of machinery, curing complete as per specifications. Specifiaction No. KBS4.1, 4.2 (Page No. 12, IT. No. 4.5) PWD SR 2016-17 | | | | | | | | |
| | | cum | 11 | 2.50 | 1.40 | 0.15 | 5.78 | | |
| | Basic Rate | 5874.52 | | | | | | | |
| | Add Tender Premium 4.99 % | 293.14 | | | | | | | |
| | Final Rate | **6167.66** | | | | | | | |
| | | | | | | Total | 5.78 | 6167.66 | 35,649.07 |
| E4 | Providing and fixing granite benches including cost of materials labours as per sPecifications (Data Rate Approved) | | | | | | | | |
| | | no | 11 | | | | 11.00 | | |
| | Basic Rate | 10550 | | | | | | | |
| | Add Tender Premium 4.99 % | 526.45 | | | | | | | |
| | Final Rate | **11076.45** | | | | | | | |
| | | | | | | Total | 11.00 | 11076.45 | 1,21,840.90 |
| E5 | KSRB 4-6.4: Providing and removing centring, shuttering, strutting,prpping etc.,and removal of form work for vertical surface such as walls at any thickness, including atached pilasters, buttresses, plinth cills and string courses cost of all materials, labours complete as per specifications NO. KBS 4.6.2 P-16, IT NO. 4.31 PWD SR 18-19 | | | | | | | | |
| | | sqm | 11 | 2 | 2.50 | 0.30 | 16.50 | | |
| | | | 11 | 2 | 1.40 | 0.30 | 9.24 | | |
| | Basic Rate | 379.48 | | | | | | | |
| | Add Tender Premium 4.99 % | 18.94 | | | | | | | |
| | Final Rate | **398.42** | | | | | | | |
| | | | | | | Total | 25.74 | 398.42 | 10,255.23 |

| Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|
| KSRB 15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonary and concrete surface including rounding off corners whereever required smooth rendering,: providing and removing scaffolding, including cost of materials, labours, curing complete as per specifications. (P-116, I.T 15.19, PWD SR 18-19) | | | | | | | | |
| | sqm | 11 | 1 | 2.50 | 1.40 | 38.50 | | |
| | | 11 | 2 | 2.50 | 0.20 | 11.00 | | |
| | | 11 | 2 | 1.40 | 0.20 | 6.16 | | |
| Basic Rate | 287.26 | | | | | | | |
| Add Tender Premium 4.99 % | 14.33 | | | | | | | |
| Final Rate | 301.59 | | | | | | | |
| | | | | | Total | 55.66 | 301.59 | 16,786.74 |
| | | | | | | | Total Construction Cost | 2,26,253.94 |

| | |
|---|---|
| Tender Approved amount | ₹ 2,27,047.00 |
| Amount as per modified estimation | ₹ 2,26,253.94 |
| Savings | ₹ 793.06 |

Assistant Engineer
Ward 14
BBMP - Bangalore

Assistant Executive Engineer
Dasrahalli Sub-Division
BBMP - Bangalore

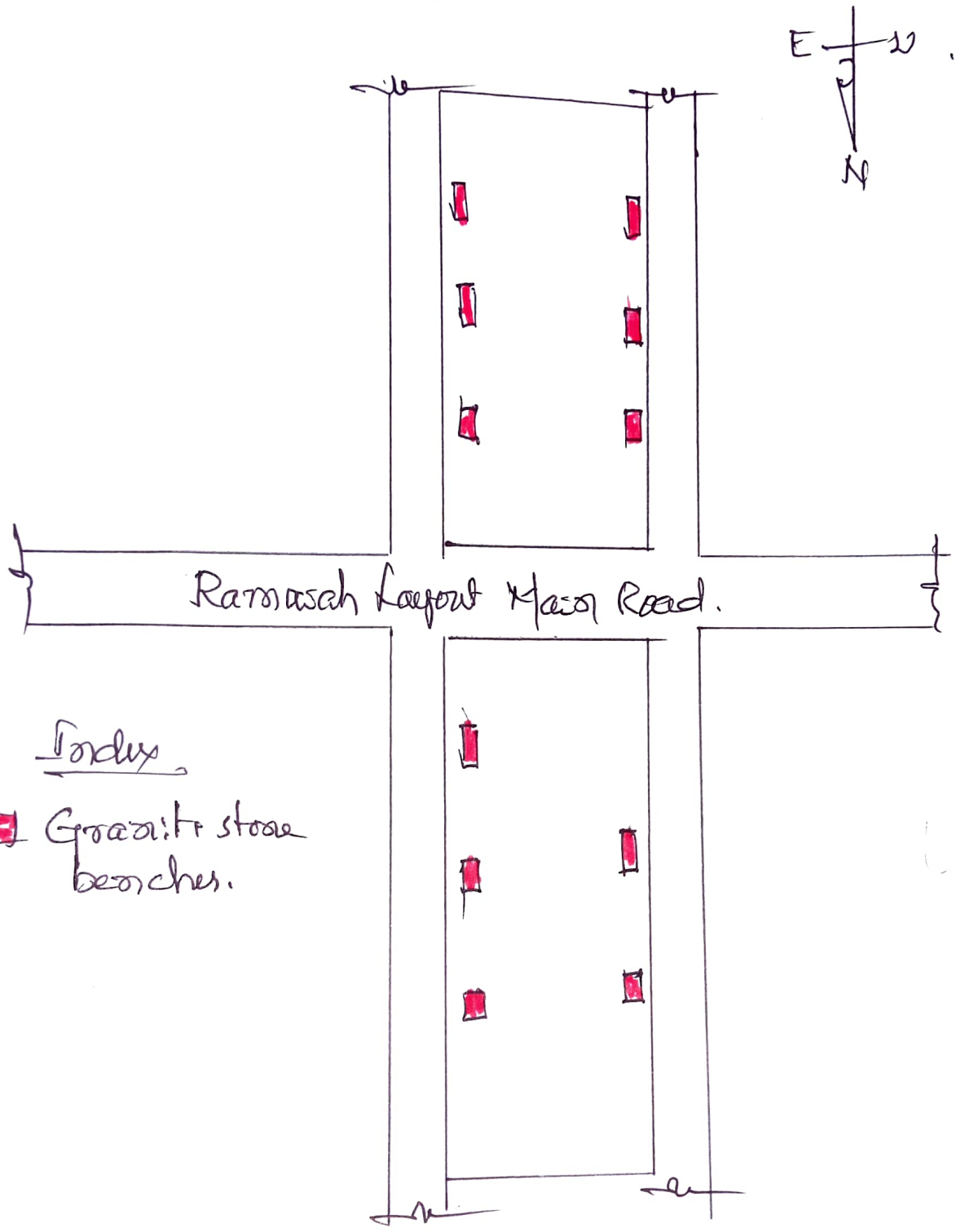
Executive Engineer
Dasarahalli Division
BBMP - Bangalore

Technically Sanctione for Rs. 2.26 lakhs/-
Rs. In words Rs. Two Lakhs Twenty Six thowred Two Hundred fifty three.
Under Rs- 3294
Job Code No. 014-19-000045
Registered as CE No. 38/2021-22 Subject to conditions contained in Enclosed Memo No. CE/D2/TS/38/21-22 Dt. 29/10/2021

AE/JE: TA

CE(D)

Name of the work: General public Toilet and septage maintenance in ward no: 14 Dasarahalli Sub division




ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು-560073.